

Coolmates and Cool Runners

Coolmate™ 3, V3, 4, Cool Runner™ and Cool Runner™ 3X

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Coolant Systems 

Quick Specs



Heavy Industrial Applications

Light/Heavy Manufacturing
Aerospace
Automotive
Tube Mills
Automation

Processes

TIG (GTAW)
MIG (GMAW)
Plasma Cutting
Resistance Welding

Input Power Single-Phase

Input Voltage 115 VAC or 230 VAC, 50/60 Hz

Max. Cooling Capacity 12,000–15,000 BTU/hr at
1.3 qt/min (1.25 L/min)

Weight 44–115 lb (20–52 kg)

The Power of Blue.®

Closed-loop design with radiator reduces coolant temperatures and prevents the system from overheating. It also recirculates the coolant through a fan-cooled heat exchanger.

Rustproof coolant reservoir molded of polyethylene for durability and corrosion resistance.

Positive vane-style displacement pumps provide consistent coolant flow and pressure rating with long pump-life expectancy.

Factory-preset pressure-relief valves (55 PSI) maintain consistent pressure during operation.

Paddle wheel flow indicator visually confirms that there is coolant flowing through the system.

Coolmate V3

Standard inlet/outlet torch fittings are compatible with TIG and MIG torches having standard 5/8-18 left-hand fittings.

10 ft (3 m) power cords with plugs are longer than most power cords in the industry — providing the extra length when required.

Thermally protected 1/4 HP motor guards against motor damage due to overheating.

Compatible with Miller coolants and are ideal for warm and cold weather conditions, while providing HF or corrosion protection.



Coolmate 3



Coolmate 4



Coolant systems are warranted for 1 year, parts and labor.



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Specifications (Subject to change without notice.)

1
Phase

Model	Motor Input Voltage 50/60 Hz	Amps Input Full Load		Maximum Cooling Capacity	Tank Capacity	Dimensions	Net Weight
		50 Hz	60 Hz				
Coolmate 3 Coolmate 3 CE	115 VAC	5.9 A	4.7 A	14,000 BTU/hr at 1.3 qt/min (1.25 L/min)	3 gal (11.4 L)	H: 13-1/4 in (337 mm) W: 12-1/4 in (311 mm) D: 23-1/4 in (584 mm)	39 lb (18 kg)
	230 VAC	2.5 A	3.0 A				
Coolmate V3 Coolmate V3 CE	115 VAC	5.9 A	4.7 A	14,000 BTU/hr at 1.3 qt/min (1.25 L/min)	3 gal (11.4 L)	H: 33 in (838 mm) W: 9-1/4 in (235 mm) D: 9-1/4 in (235 mm)	50 lb (23 kg)
Coolmate 4 Coolmate 4 CE	115 VAC	5.9 A	4.7 A	15,000 BTU/hr at 1.3 qt/min (1.25 L/min)	4 gal (15.0 L)	H: 16-1/4 in (413 mm) W: 15-1/4 in (387 mm) D: 18-3/4 in (476 mm)	44 lb (20 kg)
Cool Runner Cool Runner CE	115 VAC	5.9 A	4.7 A	12,000 BTU/hr at 1.3 qt/min (1.25 L/min)	2.5 gal (9.5 L)	H: 15-1/2 in (394 mm) W: 24-3/4 in (629 mm) D: 42 in (1067 mm)	115 lb (52 kg)
Cool Runner 3X Cool Runner 3X CE	115 VAC	5.9 A	4.7 A	14,000 BTU/hr at 1.3 qt/min (1.25 L/min)	3 gal (11.4 L)	H: 11-1/4 in (286 mm) W: 22-1/4 in (566 mm) D: 28-1/4 in (718 mm)	92.5 lb (42 kg)

 All models are certified by Canadian Standards Association to both the Canadian and U.S. Standards.

 Models with CE specifications are available and manufactured according to the Standards IEC-974-1 and EN-60974-1.

Product Descriptions

Coolmate™ 3



The compact, horizontal Coolmate 3 allows stacking or convenient mounting onto a trailer or other equipment. It is designed for water-cooled torches rated up to 500 amps*, and utilizes an efficient fin-and-tube heat exchanger. Unlike most competitive systems, this unit is equipped with a power switch so you can turn the unit on and off at the front panel. The polyethylene-molded coolant tank, fan shroud, filler spout and lifting handles are rustproof. A “paddle wheel” indicator makes it easy to confirm that coolant is flowing. Filter and coolant filling spout are conveniently located for easy access at the front panel.

Coolmate™ V3



The Coolmate V3 is designed for use with water-cooled torches rated up to 500 amps*. Its distinct, vertical design allows you to mount it onto a power source running gear or gas cylinder rack. The Coolmate V3 is equipped with a power switch so you can turn unit on and off at the front panel. A “paddle wheel” indicator makes it easy to confirm that coolant is flowing. Filter and coolant filling spout are conveniently located on the front panel for easy access.

Coolmate™ 4



The Coolmate 4 is a patented circular design available only from Miller for use with water-cooled torches rated up to 600 amps*. This coolant system has a constant flow of coolant inside to keep the pump primed and to reduce algae buildup in the tank. The portable one-piece case is durable rustproof polyethylene, and features convenient carrying handle and filler spout molded into case, and easily accessible coolant filter.

*May vary with torch design and cable length.

Product Descriptions (Continued)

Cool Runner™ 3X



Shown with **optional**
No. 28 Running Gear.

NEW! For Syncrowave 250 DX and 350 LX. Provides the perfect solution for industrial, water-cooled TIG applications. For water-cooled TIG torches rated up to 500 amps*. Construction details include a coolant reservoir and easy-to-fill coolant spout molded of rustproof polyethylene, and an efficient fin-and-tube heat exchanger. A “paddle wheel” indicator makes it easy to confirm that coolant is flowing, and the external filter can be quickly accessed for cleaning. To easily move the system in the shop, add the easy-to-install No. 28 running gear.

**May vary with torch design and cable length.*

Cool Runner™



Shown with **optional**
No. 22 Running Gear.

The Cool Runner is dedicated to any (old style) Syncrowave® 250 power source using water-cooled torches rated up to 500 amps*. It conveniently mounts under, and draws 120 VAC power from the Syncrowave 250 to provide the perfect solution for industrial, water-cooled TIG applications. Construction details include a coolant reservoir and easy-to-fill coolant spout molded of rustproof polyethylene, and an efficient fin-and-tube heat exchanger. A “paddle wheel” indicator makes it easy to confirm that coolant is flowing, and the external filter can be quickly accessed for cleaning. To easily move the system in the shop, add the easy-to-install No. 22 running gear.

Genuine Miller Accessories

Running Gear

No. 28 Running Gear #043 861

For Cool Runner 3X. Includes two 10 in (254 mm) wheels and 5 in (127 mm) casters and a two-compartment rack for gas cylinder(s).

No. 22 Running Gear #042 258

For Cool Runner. Includes two 10 in (254 mm) wheels and 5 in (127 mm) casters and a two-compartment rack for gas cylinder(s).

Coolants



Low-Conductivity Coolant #043 810

Sold in multiples of four in 1-gallon recyclable plastic bottles. Primarily used in TIG (high-frequency) applications, but can also be used in MIG systems where aluminum is not in the water path. Miller coolants contain a base of ethylene glycol and deionized water to protect against freezing to -37°F (-38°C) or boiling to 227°F (108°C). Also contains a compound that resists algae growth.



Aluminum-Protecting Coolant #043 809

Sold in multiples of four in 1-gallon recyclable plastic bottles. Primarily used in MIG products, such as the water-cooled XR, which has an aluminum drive housing, or in any system where high frequency is not used. Miller coolants contain a base of ethylene glycol and deionized water to protect against freezing to -37°F (-38°C) or boiling to 227°F (108°C). Also contains a compound that resists algae growth.

Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
Coolmate™ 3	#043 007	115 VAC, 50/60 Hz		
	#043 007-01-2	115 VAC, 50/60 Hz with CE		
	#043 008	230 VAC, 50/60 Hz		
	#043 008-01-2	230 VAC, 50/60 Hz with CE		
Coolmate™ V3	#043 009	115 VAC, 50/60 Hz		
	#043 009-01-2	115 VAC, 50/60 Hz with CE		
Coolmate™ 4	#042 288	115 VAC, 50/60 Hz		
	#042 288-01-5	115 VAC, 50/60 Hz with CE		
Cool Runner™ 3X	#043 994	115 VAC, 50/60 Hz		
	#043 994-01-1	115 VAC, 50/60 Hz with CE		
Cool Runner™	#043 094	115 VAC, 50/60 Hz		
	#043 094-01-1	115 VAC, 50/60 Hz with CE		
Accessories				
No. 28 Running Gear	#043 861	For use with Cool Runner 3X		
No. 22 Running Gear	#042 258	For use with Cool Runner		
Aluminum-Protecting Coolant	#043 809			
Low-Conductivity Coolant	#043 810			

Date: Total Quoted Price:



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